2.2.4.5.4.14 "True/Magnetic ~~Heading~~Indicator" Flag Supporting the Target State Element

The "True/Magnetic ~~Heading~~Indicator" Flag in the Mode-Status Element is a one-bit field (bit 6 of byte 27) ~~which~~ that describes whether the "Target Heading or Track Angle" field in the Target State Element is referenced to True North or to Magnetic North (see §2.2.4.5.6.1.1). The "True/Magnetic Indicator" Flag **shall** be set to ZERO to indicate that heading is reported referenced to ~~true~~ True ~~north~~North, or **shall** be set to ONE to indicate that heading is reported referenced to ~~magnetic~~ Magnetic ~~north~~North. ~~This "True/Magnetic Heading" Flag supports the "Heading/Track Indicator" Flag in the TARGET STATE Element defined in §2.2.4.5.6.1.1.~~

If the "True/Magnetic ~~Heading~~Indicator" Flag field is "unavailable" for the "Data Lifetime" value listed for this input in Table 2-64, then the "True/Magnetic ~~Heading~~Indicator" Flag field **shall** default to a value of ZERO.

2.2.4.5.4.15 Call Sign Identification (CSID)

The Call Sign Identification (CSID) Flag in the Mode Status Element is a one-bit field (bit 7 of byte 27) which **shall** be set to ONE (1) in this version of the MOPS.

2.2.4.5.4.16 Reserved Bits

This Reserved Bits field is a 17-bit (bit 8 of byte 27 through bit 8 of byte 29) field used that may be used in the future to indicate the capability of a participant to support engagement in various operations. This Reserved Bits field is reserved for future use and **shall** be set to ALL ZEROs.

2.2.4.5.5 AUXILIARY STATE VECTOR Element

Format for the AUXILIARY STATE VECTOR element is defined in Table 2-50. This encoding **shall** apply to ADS-B Messages with "PAYLOAD TYPE CODES" of "1," "2," "5," and "6." Each of the fields shown is defined in the following subparagraphs.

Table 2-50: Format of AUXILIARY STATE VECTOR Element

Payload Byte #	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8
.								
.								
.								
30	(MSB)			**Secondary Altitude**				
31				(LSB)				
32								
33				**Reserved**				
34								
.								
.								
.								

2.2.4.5.5.1 "SECONDARY ALTITUDE" Field Encoding

The "SECONDARY ALTITUDE" field is a 12-bit (bit 1 of byte 30 through bit 4 of byte 31) field used to encode either the geometric altitude or barometric pressure altitude